

influxdb

```
curl -sL https://repos.influxdata.com/influxdb.key | apt-key add -  
source /etc/lsb-release  
echo "deb https://repos.influxdata.com/${DISTRIB_ID,,} ${DISTRIB_CODENAME}  
stable" | tee -a /etc/apt/sources.list  
apt update  
apt install influxdb
```

enable admin service in /etc/influxdb/influxdb.conf and

```
systemctl restart influxdb
```

create database

```
root@graphite:~# influx  
Connected to http://localhost:8086 version 1.2.1  
InfluxDB shell version: 1.2.1  
> create database captive  
> CREATE USER "captive" WITH PASSWORD 'captive' WITH ALL PRIVILEGES  
> show databases  
name: databases  
name  
----  
_internal  
captive  
>
```

test

```
curl -G http://carbon:8086/query --data-urlencode "q=SHOW DATABASES"
```

python test

```
from influxdb import InfluxDBClient  
client = InfluxDBClient('carbon.csgalileo.org', 8086, username='captive',  
password='captive', database='test')  
  
json_body = [{"measurement": "browser", "tags": {"server": 1, "server-  
name": "galileo"}, "time": datetime.utcnow().strftime('%Y-%m-%dT%H:%M:%S'),  
"fields": {"value": "ios"}}]  
client.write_points(json_body)  
  
client.query('select value from browser;')
```

grafana

install

TODO

```
# per rasp
cd /tmp
wget https://github.com/fg2it/grafana-on-
raspberry/releases/download/v4.6.1/grafana_4.6.1_armhf.deb
dpkg -i grafana_4.6.1_armhf.deb

systemctl enable grafana-server
systemctl start grafana-server
```

Login to <http://localhost:3000> (admin/admin)

[add datasource](#)

Edit data source

Config Dashboards

Name	ha	Default	<input type="checkbox"/>
Type	Graphite		

Http settings

Url	http://localhost:9002	<input type="checkbox"/>
Access	proxy	<input type="checkbox"/>
Http Auth	Basic Auth <input type="checkbox"/>	With Credentials <input type="checkbox"/>

Success
Data source is working

Save & Test Delete Cancel

plugins

Add plugin in /var/lib/grafana/plugins/ directory

piechart

```
cd /var/lib/grafana/plugins/
git clone https://github.com/grafana/piechart-panel.git
systemctl restart grafana-server.service
```

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Permanent link:
<https://wiki.csgalileo.org/projects/internetofthings/influxdb?rev=1510996777>

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